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10/24/2008 08:02 AM

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bcc  
Subject ( 9088045 ) Fw\_ Solar Energy powering green remediation of Vapor Intrusion of Homes Affected by Delasco Forge Site in Grand Prairie, TX

----- Forwarded by Betty Williamson/R6/USEPA/US on 10/23/2008 07:42 PM -----



**Karen Peycke/R6/USEPA/US**

10/23/2008 05:18 PM

To Aimee Storm/DC/USEPA/US@EPA, Ann Carroll/DC/USEPA/US@EPA, AnneMarie Hoffman/DC/USEPA/US@EPA, Betty Williamson/R6/USEPA/US@EPA, Carolyn Douglas/R9/USEPA/US@EPA, Christopher Thomas/R3/USEPA/US@EPA, Dan Forger/R2/USEPA/US@EPA, David Doyle/R7/USEPA/US@EPA, DavidR Lloyd/DC/USEPA/US@EPA, Debbie Schechter/R9/USEPA/US@EPA, ecopod55@msn.com, James Vanderkloot/R5/USEPA/US@EPA, John Podgurski/R1/USEPA/US@EPA, Karen Peycke/R6/USEPA/US@EPA, Marc Thomas/DC/USEPA/US@EPA, Matt Robbins/R4/USEPA/US@EPA, Melissa Friedland/DC/USEPA/US@EPA, Monica Smith/R6/USEPA/US@EPA, Myra Blakely/DC/USEPA/US@EPA, Nat Miullo/RA/R8/USEPA/US@EPA, Rasmussen.Sara@epa.gov, Stacy Swartwood/DC/USEPA/US@EPA, Steven Mcneely/DC/USEPA/US@EPA, Susan Janowiak/R3/USEPA/US@EPA, Patricia Overmeyer/DC/USEPA/US@EPA, Timothy Brincefield/R10/USEPA/US@EPA  
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Subject Solar Energy powering green remediation of Vapor Intrusion of Homes Affected by Delasco Forge Site in Grand Prairie, TX

★ Vapor Intrusion Remedy - Grand Prairie, Texas



Solar Panel on Roof of Home



Vent for Fan Under Pier and Beam Home

Homes located on or near the former Delfasco Forge Site in Grand Prairie, Texas are using solar powered fan systems to reduce releases of hazardous soil vapors. The type and location of the systems are dependent on the construction type of the building. Most of the homes are pier and beam construction with crawl spaces under the living areas. These homes will have the systems installed to evacuate the air in the crawl spaces thus preventing the build up and migration of trichloroethylene (TCE) into the homes. TCE has been found in the groundwater under 65 acres of a residential neighborhood adjacent to the site. Homes sitting on slabs will require a subsurface mitigation fan system incorporating laterals and sumps. The solar powered fan systems will be utilized when appropriate, to reduce the burden on the home owner and reduce the energy consumption. Installation of these systems can be completed in from one to two days for pier and beam houses, and on a slab house in 7 to 10 days. This action is effective, practical, relatively inexpensive, and addresses human health and environmental issues. Specifications for the vapor intrusion remedy: [Solar-Powered Vent Fan](#) and [Exhaust Fan for Slab Foundation](#).

link to Region 6's Land Revitalization webpage:

<http://www.epa.gov/region6/6sf/revitalization/>